

# FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO  
Enterprise Hydrocarbons L.P.

AUTHORIZING THE OPERATION OF  
Armstrong Gas Plant  
Natural Gas Liquid Extraction

LOCATED AT  
Dewitt County, Texas  
Latitude 29° 8' 2" Longitude 97° 2' 20"  
Regulated Entity Number: RN100220078

This permit is issued in accordance with and subject to the Texas Clean Air Act (TCAA), Chapter 382 of the Texas Health and Safety Code and Title 30 Texas Administrative Code Chapter 122 (30 TAC Chapter 122), Federal Operating Permits. Under 30 TAC Chapter 122, this permit constitutes the permit holder's authority to operate the site and emission units listed in this permit. Operations of the site and emission units listed in this permit are subject to all additional rules or amended rules and orders of the Commission pursuant to the TCAA.

This permit does not relieve the permit holder from the responsibility of obtaining New Source Review authorization for new, modified, or existing facilities in accordance with 30 TAC Chapter 116, Control of Air Pollution by Permits for New Construction or Modification.

The site and emission units authorized by this permit shall be operated in accordance with 30 TAC Chapter 122, the general terms and conditions, special terms and conditions, and attachments contained herein.

This permit shall expire five years from the date of issuance. The renewal requirements specified in 30 TAC § 122.241 must be satisfied in order to renew the authorization to operate the site and emission units.

Permit No:       O3184       Issuance Date:       December 15, 2014      

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For the Commission

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## **General Terms and Conditions**

The permit holder shall comply with all terms and conditions contained in 30 TAC § 122.143 (General Terms and Conditions), 30 TAC § 122.144 (Recordkeeping Terms and Conditions), 30 TAC § 122.145 (Reporting Terms and Conditions), and 30 TAC § 122.146 (Compliance Certification Terms and Conditions).

In accordance with 30 TAC § 122.144(1), records of required monitoring data and support information required by this permit, or any applicable requirement codified in this permit, are required to be maintained for a period of five years from the date of the monitoring report, sample, or application unless a longer data retention period is specified in an applicable requirement. The five year record retention period supersedes any less stringent retention requirement that may be specified in a condition of a permit identified in the New Source Review Authorization attachment.

If the permit holder chooses to demonstrate that this permit is no longer required, a written request to void this permit shall be submitted to the Texas Commission on Environmental Quality (TCEQ) by the Responsible Official in accordance with 30 TAC § 122.161(e). The permit holder shall comply with the permit's requirements, including compliance certification and deviation reporting, until notified by the TCEQ that this permit is voided.

The permit holder shall comply with 30 TAC Chapter 116 by obtaining a New Source Review authorization prior to new construction or modification of emission units located in the area covered by this permit.

All reports required by this permit must include in the submittal a cover letter which identifies the following information: company name, TCEQ regulated entity number, air account number (if assigned), site name, area name (if applicable), and Air Permits Division permit number(s).

## **Special Terms and Conditions:**

### **Emission Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting**

1. Permit holder shall comply with the following requirements:
  - A. Emission units (including groups and processes) in the Applicable Requirements Summary attachment shall meet the limitations, standards, equipment specifications, monitoring, recordkeeping, reporting, testing, and other requirements listed in the Applicable Requirements Summary attachment to assure compliance with the permit.
  - B. The textual description in the column titled "Textual Description" in the Applicable Requirements Summary attachment is not enforceable and is not deemed as a substitute for the actual regulatory language. The Textual Description is provided for information purposes only.
  - C. A citation listed on the Applicable Requirements Summary attachment, which has a notation [G] listed before it, shall include the referenced section and subsection for all commission rules, or paragraphs for all federal and state regulations and all subordinate paragraphs, subparagraphs and clauses, subclauses, and items contained within the referenced citation as applicable requirements.
  - D. When a grouped citation, notated with a [G] in the Applicable Requirements Summary, contains multiple compliance options, the permit holder must keep records of when each compliance option was used.
  - E. Emission units subject to 40 CFR Part 63, Subparts A, HH, ZZZZ, and DDDDD as identified in the attached Applicable Requirements Summary table are subject to 30 TAC

Chapter 113, Subchapter C, §§ 113.100, 113.390, 113.1090, and 113.1130, respectively, which incorporates the 40 CFR Part 63 Subpart by reference.

2. The permit holder shall comply with the following sections of 30 TAC Chapter 101 (General Air Quality Rules):
  - A. Title 30 TAC § 101.1 (relating to Definitions), insofar as the terms defined in this section are used to define the terms used in other applicable requirements
  - B. Title 30 TAC § 101.3 (relating to Circumvention)
  - C. Title 30 TAC § 101.8 (relating to Sampling), if such action has been requested by the TCEQ
  - D. Title 30 TAC § 101.9 (relating to Sampling Ports), if such action has been requested by the TCEQ
  - E. Title 30 TAC § 101.10 (relating to Emissions Inventory Requirements)
  - F. Title 30 TAC § 101.201 (relating to Emission Event Reporting and Recordkeeping Requirements)
  - G. Title 30 TAC § 101.211 (relating to Scheduled Maintenance, Start-up, and Shutdown Reporting and Recordkeeping Requirements)
  - H. Title 30 TAC § 101.221 (relating to Operational Requirements)
  - I. Title 30 TAC § 101.222 (relating to Demonstrations)
  - J. Title 30 TAC § 101.223 (relating to Actions to Reduce Excessive Emissions)
3. Permit holder shall comply with the following requirements of 30 TAC Chapter 111:
  - A. Visible emissions from stationary vents with a flow rate of less than 100,000 actual cubic feet per minute and constructed after January 31, 1972 that are not listed in the Applicable Requirements Summary attachment for 30 TAC Chapter 111, Subchapter A, Division 1, shall not exceed 20% opacity averaged over a six-minute period. The permit holder shall comply with the following requirements for stationary vents at the site subject to this standard:
    - (i) Title 30 TAC § 111.111(a)(1)(B) (relating to Requirements for Specified Sources)
    - (ii) Title 30 TAC § 111.111(a)(1)(E)
    - (iii) Title 30 TAC § 111.111(a)(1)(F)(i), (ii), (iii), or (iv)
    - (iv) For emission units with vent emissions subject to 30 TAC § 111.111(a)(1)(B), complying with 30 TAC § 111.111(a)(1)(F)(ii), (iii), or (iv), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO<sub>x</sub>, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146. These periodic monitoring requirements do not apply to vents that are not capable of producing visible emissions such as vents that emit only colorless VOCs; vents from non-fuming liquids; vents that provide passive ventilation, such as plumbing vents; or vent emissions from any other source that

does not obstruct the transmission of light. Vents, as specified in the “Applicable Requirements Summary” attachment, that are subject to the emission limitation of 30 TAC § 111.111(a)(1)(B) are not subject to the following periodic monitoring requirements:

- (1) An observation of stationary vents from emission units in operation shall be conducted at least once during each calendar quarter unless the emission unit is not operating for the entire quarter.
- (2) For stationary vents from a combustion source, if an alternative to the normally fired fuel is fired for a period greater than or equal to 24 consecutive hours, the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are present. If such period is greater than 3 months, observations shall be conducted once during each quarter. Supplementing the normally fired fuel with natural gas or fuel gas to increase the net heating value to the minimum required value does not constitute creation of an alternative fuel.
- (3) Records of all observations shall be maintained.
- (4) Visible emissions observations of emission units operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of emission units operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions observations shall be made during times when the activities described in 30 TAC § 111.111(a)(1)(E) are not taking place. Visible emissions shall be determined with each stationary vent in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each stationary vent during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.
- (5) Compliance Certification:
  - (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(1) and (a)(1)(B).
  - (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is

determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

- (c) Some vents may be subject to multiple visible emission or monitoring requirements. All credible data must be considered when certifying compliance with this requirement even if the observation or monitoring was performed to demonstrate compliance with a different requirement.
- B. Emission limits on nonagricultural processes, except for the steam generators specified in 30 TAC § 111.153, shall comply with the following requirements:
  - (i) Emissions of PM from any source may not exceed the allowable rates as required in 30 TAC § 111.151(a) (relating to Allowable Emissions Limits)
  - (ii) Sources with an effective stack height ( $h_e$ ) less than the standard effective stack height ( $H_e$ ), must reduce the allowable emission level by multiplying it by  $[h_e/H_e]^2$  as required in 30 TAC § 111.151(b)
  - (iii) Effective stack height shall be calculated by the equation specified in 30 TAC § 111.151(c)
- 4. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 60, unless otherwise stated in the applicable subpart:
  - A. Title 40 CFR § 60.7 (relating to Notification and Recordkeeping)
  - B. Title 40 CFR § 60.8 (relating to Performance Tests)
  - C. Title 40 CFR § 60.11 (relating to Compliance with Standards and Maintenance Requirements)
  - D. Title 40 CFR § 60.12 (relating to Circumvention)
  - E. Title 40 CFR § 60.13 (relating to Monitoring Requirements)
  - F. Title 40 CFR § 60.14 (relating to Modification)
  - G. Title 40 CFR § 60.15 (relating to Reconstruction)
  - H. Title 40 CFR § 60.19 (relating to General Notification and Reporting Requirements)
- 5. The permit holder shall comply with the requirements of 30 TAC Chapter 113, Subchapter C, § 113.100 for units subject to any subpart of 40 CFR Part 63, unless otherwise stated in the applicable subpart.
- 6. The permit holder shall comply with certified registrations submitted to the TCEQ for purposes of establishing federally enforceable emission limits. A copy of the certified registration shall be maintained with the permit. Records sufficient to demonstrate compliance with the established limits shall be maintained. The certified registration and records demonstrating compliance shall

be provided, on request, to representatives of the appropriate TCEQ regional office and any local air pollution control agency having jurisdiction over the site. The permit holder shall submit updated certified registrations when changes at the site require establishment of new emission limits. If changes result in emissions that do not remain below major source thresholds, the permit holder shall submit a revision application to codify the appropriate requirements in the permit.

#### **Additional Monitoring Requirements**

7. The permit holder shall comply with the periodic monitoring requirements as specified in the attached "Periodic Monitoring Summary" upon issuance of the permit. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the permit holder shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. The permit holder may elect to collect monitoring data on a more frequent basis and average the data, consistent with the averaging time specified in the "Periodic Monitoring Summary," for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis. In no event shall data be collected and used in particular instances to avoid reporting deviations. Deviations shall be reported according to 30 TAC § 122.145 (Reporting Terms and Conditions).

#### **New Source Review Authorization Requirements**

8. Permit holder shall comply with the requirements of New Source Review authorizations issued or claimed by the permit holder for the permitted area, including permits, permits by rule, standard permits, flexible permits, special permits, permits for existing facilities including Voluntary Emissions Reduction Permits and Electric Generating Facility Permits issued under 30 TAC Chapter 116, Subchapter I, or special exemptions referenced in the New Source Review Authorization References attachment. These requirements:
  - A. Are incorporated by reference into this permit as applicable requirements
  - B. Shall be located with this operating permit
  - C. Are not eligible for a permit shield
9. The permit holder shall comply with the general requirements of 30 TAC Chapter 106, Subchapter A or the general requirements, if any, in effect at the time of the claim of any PBR.
10. The permit holder shall maintain records to demonstrate compliance with any emission limitation or standard that is specified in a permit by rule (PBR) or Standard Permit listed in the New Source Review Authorizations attachment. The records shall yield reliable data from the relevant time period that are representative of the emission unit's compliance with the PBR or Standard Permit. These records may include, but are not limited to, production capacity and throughput, hours of operation, safety data sheets (SDS), chemical composition of raw materials, speciation of air contaminant data, engineering calculations, maintenance records, fugitive data, performance tests, capture/control device efficiencies, direct pollutant monitoring (CEMS, COMS, or PEMS), or control device parametric monitoring. These records shall be made readily accessible and available as required by 30 TAC § 122.144. Any monitoring or recordkeeping data indicating noncompliance with the PBR or Standard Permit shall be considered and reported as a deviation according to 30 TAC § 122.145 (Reporting Terms and Conditions).

## **Compliance Requirements**

11. The permit holder shall certify compliance in accordance with 30 TAC § 122.146. The permit holder shall comply with 30 TAC § 122.146 using at a minimum, but not limited to, the continuous or intermittent compliance method data from monitoring, recordkeeping, reporting, or testing required by the permit and any other credible evidence or information. The certification period may not exceed 12 months and the certification must be submitted within 30 days after the end of the period being certified.
12. Use of Discrete Emission Credits to comply with the applicable requirements:
  - A. Unless otherwise prohibited, the permit holder may use discrete emission credits to comply with the following applicable requirements listed elsewhere in this permit:
    - (i) Title 30 TAC Chapter 115
    - (ii) Title 30 TAC Chapter 117
    - (iii) If applicable, offsets for Title 30 TAC Chapter 116
    - (iv) Temporarily exceed state NSR permit allowables
  - B. The permit holder shall comply with the following requirements in order to use the credit to comply with the applicable requirements:
    - (i) The permit holder must notify the TCEQ according to 30 TAC § 101.376(d)
    - (ii) The discrete emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 4
    - (iii) The executive director has approved the use of the discrete emission credits according to 30 TAC § 101.376(d)(1)(A)
    - (iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.372(h) and 30 TAC Chapter 122
    - (v) Title 30 TAC § 101.375 (relating to Emission Reductions Achieved Outside the United States)

## **Risk Management Plan**

13. For processes subject to 40 CFR Part 68 and specified in 40 CFR § 68.10, the permit holder shall comply with the requirements of the Accidental Release Prevention Provisions in 40 CFR Part 68. The permit holder shall submit to the appropriate agency either a compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR § 68.10(a), or as part of the compliance certification submitted under this permit, a certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of a risk management plan.

## **Permit Location**

14. The permit holder shall maintain a copy of this permit and records related to requirements listed in this permit off site at Enterprise Products, 1100 Louisiana, Houston, Texas 77002.

**Permit Shield (30 TAC § 122.148)**

15. A permit shield is granted for the emission units, groups, or processes specified in the attached "Permit Shield." Compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirements or specified potentially applicable state-only requirements listed in the attachment "Permit Shield." Permit shield provisions shall not be modified by the executive director until notification is provided to the permit holder. No later than 90 days after notification of a change in a determination made by the executive director, the permit holder shall apply for the appropriate permit revision to reflect the new determination. Provisional terms are not eligible for this permit shield. Any term or condition, under a permit shield, shall not be protected by the permit shield if it is replaced by a provisional term or condition or the basis of the term and condition changes.

## **Attachments**

**Applicable Requirements Summary**

**Additional Monitoring Requirements**

**Permit Shield**

**New Source Review Authorization References**

### **Applicable Requirements Summary**

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<b>Applicable Requirements Summary .....</b>	<b>13</b>
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Note: A “none” entry may be noted for some emission sources in this permit’s “Applicable Requirements Summary” under the heading of “Monitoring and Testing Requirements” and/or “Recordkeeping Requirements” and/or “Reporting Requirements.” Such a notation indicates that there are no requirements for the indicated emission source as identified under the respective column heading(s) for the stated portion of the regulation when the emission source is operating under the conditions of the specified SOP Index Number. However, other relevant requirements pursuant to 30 TAC Chapter 122 including Recordkeeping Terms and Conditions (30 TAC § 122.144), Reporting Terms and Conditions (30 TAC § 122.145), and Compliance Certification Terms and Conditions (30 TAC § 122.146) continue to apply.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
BOI-1	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	63DDDDD-01	40 CFR Part 63, Subpart DDDDD	No changing attributes.
DEHYBOI	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	63DDDDD-02	40 CFR Part 63, Subpart DDDDD	No changing attributes.
DEHYVENT	GLYCOL DEHYDRATION	N/A	63HH	40 CFR Part 63, Subpart HH	No changing attributes.
EMERGEN	SRIC ENGINES	N/A	60JJJJ	40 CFR Part 60, Subpart JJJJ	No changing attributes.
EMERGEN	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
FIREPUMP	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
FL-1	FLARES	N/A	R1111	30 TAC Chapter 111, Visible Emissions	No changing attributes.
FL-1	FLARES	N/A	60A	40 CFR Part 60, Subpart A	No changing attributes.
FL-2	FLARES	N/A	R1111	30 TAC Chapter 111, Visible Emissions	No changing attributes.
FL-3	FLARES	N/A	R1111	30 TAC Chapter 111, Visible Emissions	No changing attributes.
FUG KKK	FUGITIVE EMISSION UNITS	N/A	60KKK	40 CFR Part 60, Subpart KKK	No changing attributes.
FUG OOOOA	FUGITIVE EMISSION UNITS	N/A	60OOOOa	40 CFR Part 60, Subpart OOOOa	No changing attributes.
FUG-1	FUGITIVE EMISSION UNITS	N/A	63HH	40 CFR Part 63, Subpart HH	No changing attributes.
GO-FLARE1	FLARES	N/A	R1111	30 TAC Chapter 111, Visible Emissions	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GO-FLARE1	FLARES	N/A	63A-1	40 CFR Part 63, Subpart A	No changing attributes.
GRP111A	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	UNIT 184S	R1111	30 TAC Chapter 111, Visible Emissions	No changing attributes.
GRP111B	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	BLCS1, BLCS2, BOI-1S, C-1, C-15, C-2, C-3, C-4, C-5, C-6, C-7, C-8, C-9, DEHYBOIS, H-1S, H-3S, H-5S, STARTER, UNIT 185S, UNIT 186S	R1111	30 TAC Chapter 111, Visible Emissions	No changing attributes.
H-1	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	63DDDDD-03	40 CFR Part 63, Subpart DDDDD	No changing attributes.
H-3	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	63DDDDD-04	40 CFR Part 63, Subpart DDDDD	No changing attributes.
H-5	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	63DDDDD-05	40 CFR Part 63, Subpart DDDDD	No changing attributes.
UNIT 185	SRIC ENGINES	N/A	60JJJJ	40 CFR Part 60, Subpart JJJJ	No changing attributes.
UNIT 185	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
UNIT 186	SRIC ENGINES	N/A	60JJJJ	40 CFR Part 60, Subpart JJJJ	No changing attributes.
UNIT 186	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
UNIT 924	STATIONARY TURBINES	N/A	60GG	40 CFR Part 60, Subpart GG	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
UNIT 925	STATIONARY TURBINES	N/A	60GG	40 CFR Part 60, Subpart GG	No changing attributes.
UNIT 926	STATIONARY TURBINES	N/A	60GG	40 CFR Part 60, Subpart GG	No changing attributes.
UNIT 927	STATIONARY TURBINES	N/A	60GG	40 CFR Part 60, Subpart GG	No changing attributes.
UNIT 930	STATIONARY TURBINES	N/A	60GG	40 CFR Part 60, Subpart GG	No changing attributes.

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
BOI-1	EU	63DDDDD-01	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD
DEHYBOI	EU	63DDDDD-02	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD
DEHYVENT	EU	63HH	112(B) HAPS	40 CFR Part 63, Subpart HH	§ 63.764(e)(1)(ii) § 63.764(a) § 63.764(e)(1)	The actual average emissions of benzene from the glycol dehydration unit process vent are < 0.90 megagram/yr.	[G]§ 63.772(b)(2)	§ 63.760(a)(1)(ii) § 63.774(a) § 63.774(d)(1)(ii)	None
EMERGEN	EU	60JJJJ	CO	40 CFR Part 60, Subpart JJJJ	§ 60.4233(c) § 60.4231(c) § 60.4234 § 60.4243(a) § 60.4243(a)(1) [G]§ 60.4243(d) § 60.4243(g) § 60.4246 § 90.103(a)	Owners and operators of stationary emergency SI ICE with a maximum engine power greater than 19 KW and less than 97 KW that are rich burn engines that use LPG and were manufactured on or after 01/01/2009 must comply with a CO emission limit of 519 g/KW-hr, as stated in 40 CFR 60.4231(c) and 40 CFR 90.103(a).	§ 60.4237(c)	§ 60.4243(a)(1) § 60.4245(a)(1) § 60.4245(a)(2) § 60.4245(a)(3) § 60.4245(b)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
EMERGEN	EU	60JJJJ	HC and NO <sub>x</sub>	40 CFR Part 60, Subpart JJJJ	§ 60.4233(c) § 60.4231(c) § 60.4234 § 60.4243(a) § 60.4243(a)(1) [G]§ 60.4243(d) § 60.4243(g) § 60.4246 § 90.103(a)	Owners and operators of stationary emergency SI ICE with a maximum engine power greater than 19 KW and less than 97 KW that are rich burn engines that use LPG and were manufactured on or after 01/01/2009 must comply with an HC+NO <sub>x</sub> emission limit of 13.4 g/KW-hr, as stated in 40 CFR 60.4231(c) and 40 CFR 90.103(a).	§ 60.4237(c)	§ 60.4243(a)(1) § 60.4245(a)(1) § 60.4245(a)(2) § 60.4245(a)(3) § 60.4245(b)	None
EMERGEN	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None
FIREPUMP	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63,	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart ZZZZ	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart ZZZZ	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart ZZZZ	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart ZZZZ

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					Subpart ZZZZ				
FL-1	EU	R1111	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period, except for emission event emissions as provided in §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
FL-1	CD	60A	Opacity	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(i) § 60.18(c)(6) § 60.18(e)	Flares shall comply with paragraphs (c)-(f) of § 60.18.	§ 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4)	None	None
FL-2	EU	R1111	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period, except for emission event emissions as provided in §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
FL-3	EU	R1111	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period, except for emission event emissions as provided in §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
FUG KKK	EU	60KKK	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-2 [G]§ 60.482-9 § 60.633(d)	Comply with the requirements for pumps in light liquid service as stated in §60.482-2 and §60.482-1(a), (b) and (d), except as provided in §60.633.	[G]§ 60.482-2 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) § 60.485(d) § 60.485(d)(2) § 60.485(d)(3)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.632(e) [G]§ 60.636

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
							[G]§ 60.485(e) § 60.485(f) § 60.632(d) [G]§ 60.633(h)	[G]§ 60.486(h) § 60.486(j) § 60.632(e) § 60.635(a)	
FUG KKK	EU	60KKK	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-7 [G]§ 60.482-9 [G]§ 60.483-1 [G]§ 60.483-2 § 60.632(b) § 60.633(d)	Comply with the requirements for valves in gas/vapor service as stated in §60.482-7 and §60.482-1(a), (b) and (d), except as provided in §60.633.	[G]§ 60.482-7 [G]§ 60.483-1 [G]§ 60.483-2 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) § 60.485(d) § 60.485(d)(2) § 60.485(d)(3) [G]§ 60.485(e) § 60.485(f) § 60.632(d) [G]§ 60.633(h)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(f) [G]§ 60.486(g) § 60.486(j) § 60.632(e) § 60.635(a)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(d) § 60.487(e) § 60.632(e) [G]§ 60.636
FUG KKK	EU	60KKK	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-7 [G]§ 60.482-9 [G]§ 60.483-1 [G]§ 60.483-2 § 60.632(b) § 60.633(d)	Comply with the requirements for valves in light-liquid service as stated in §60.482-7 and §60.482-1(a), (b) and (d), except as provided in §60.633.	[G]§ 60.482-7 [G]§ 60.483-1 [G]§ 60.483-2 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) § 60.485(d) § 60.485(d)(2) § 60.485(d)(3) [G]§ 60.485(e) § 60.485(f) § 60.632(d) [G]§ 60.633(h)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(f) [G]§ 60.486(g) § 60.486(j) § 60.632(e) § 60.635(a)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(d) § 60.487(e) § 60.632(e) [G]§ 60.636
FUG KKK	EU	60KKK	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9	Comply with the requirements for flanges and other connectors as stated in §60.482-8, except as provided in §60.633.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) § 60.485(d) § 60.485(d)(2) § 60.485(d)(3) [G]§ 60.485(e) § 60.485(f)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 60.632(e) § 60.635(a)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.632(e) [G]§ 60.636

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
							§ 60.632(d) [G]§ 60.633(h)		
FUG KKK	EU	60KKK	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9	Comply with the requirements for pressure relief devices in light-liquid service as stated in §60.482-8, except as provided in §60.633.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) § 60.485(d) § 60.485(d)(2) § 60.485(d)(3) [G]§ 60.485(e) § 60.485(f) § 60.632(d) [G]§ 60.633(h)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 60.632(e) § 60.635(a)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.632(e) [G]§ 60.636
FUG OOOOa	EU	60OOOOa	VOC	40 CFR Part 60, Subpart OOOOa	§ 60.5365a The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 60, Subpart OOOOa	The permit holder shall comply with the applicable requirements of 40 CFR Part 60, Subpart OOOOa	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 60, Subpart OOOOa	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 60, Subpart OOOOa	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 60, Subpart OOOOa
FUG-1	EU	63HH	112(B) HAPS	40 CFR Part 63, Subpart HH	§ 63.764(e)(2)(i) § 63.764(a) § 63.764(e)(2) § 63.764(j)	Any ancillary equipment or compressors that contain or contact a fluid with a total VHAP concentration of <10% by weight are exempt from the equipment leak requirements of § 63.764(c)(3).	[G]§ 63.772(a)	[G]§ 63.774(b)(1) § 63.774(b)(2) § 63.774(d)(2) § 63.774(d)(2)(i)	None
GO-FLARE1	EU	R1111	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period, except for emission event emissions as provided in §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GO-FLARE1	CD	63A-1	Opacity	40 CFR Part 63, Subpart A	§ 63.11(b)(4) § 63.11(b)(1) § 63.11(b)(2) § 63.11(b)(3) § 63.11(b)(5) § 63.11(b)(6)(ii) § 63.11(b)(8)	Flares shall be designed and operated with no visible emissions, except for periods of a total of 5 minutes or less during any 2 consecutive hrs. Test Method 22 in App. A of part 60 of this chapter shall be used.	§ 63.11(b)(4) § 63.11(b)(5)	None	None
GRP111A	EP	R1111	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(A) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 30% averaged over a six minute period.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
GRP111B	EP	R1111	PM (Opacity)	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
H-1	EU	63DDDDD-03	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD
H-3	EU	63DDDDD-04	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD		of 40 CFR Part 63, Subpart DDDDD	Part 63, Subpart DDDDD	
H-5	EU	63DDDDD-05	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD
UNIT 185	EU	60JJJJ	CO	40 CFR Part 60, Subpart JJJJ	§ 60.4233(e)-Table1 § 60.4234 § 60.4243(b) § 60.4243(b)(2) § 60.4243(b)(2)(ii) § 60.4243(e) § 60.4243(g) § 60.4246	Owners and operators of stationary non-emergency natural gas engines with a maximum engine power greater than or equal to 500 HP and were manufactured on or after 07/01/2007 and before 07/01/2010 must comply with a CO emission limit of 4.0 g/HP-hr, as listed in Table 1 to this subpart.	§ 60.4243(b)(2) § 60.4243(b)(2)(ii) § 60.4243(e) § 60.4244(a) § 60.4244(b) § 60.4244(c) § 60.4244(e)	§ 60.4243(b)(2) § 60.4243(b)(2)(ii) § 60.4243(e) § 60.4245(a)(1) § 60.4245(a)(2) § 60.4245(a)(4)	[G]§ 60.4245(c) § 60.4245(d)
UNIT 185	EU	60JJJJ	NO <sub>x</sub>	40 CFR Part 60, Subpart JJJJ	§ 60.4233(e)-Table1 § 60.4234 § 60.4243(b) § 60.4243(b)(2) § 60.4243(b)(2)(ii) § 60.4243(e) § 60.4243(g) § 60.4246	Owners and operators of stationary non-emergency natural gas engines with a maximum engine power greater than or equal to 500 HP and were manufactured on or after 07/01/2007 and before 07/01/2010 must comply with a NO <sub>x</sub> emission limit of 2.0 g/HP-hr, as listed in Table 1 to this subpart.	§ 60.4243(b)(2) § 60.4243(b)(2)(ii) § 60.4243(e) § 60.4244(a) § 60.4244(b) § 60.4244(c) § 60.4244(d)	§ 60.4243(b)(2) § 60.4243(b)(2)(ii) § 60.4243(e) § 60.4245(a)(1) § 60.4245(a)(2) § 60.4245(a)(4)	[G]§ 60.4245(c) § 60.4245(d)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
UNIT 185	EU	60JJJJ	VOC	40 CFR Part 60, Subpart JJJJ	§ 60.4233(e)-Table1 § 60.4234 § 60.4243(b) § 60.4243(b)(2) § 60.4243(b)(2)(ii) § 60.4243(e) § 60.4243(g) § 60.4246	Owners and operators of stationary non-emergency natural gas engines with a maximum engine power greater than or equal to 500 HP and were manufactured on or after 07/01/2007 and before 07/01/2010 must comply with a VOC emission limit of 1.0 g/HP-hr, as listed in Table 1 to this subpart.	§ 60.4243(b)(2) § 60.4243(b)(2)(ii) § 60.4243(e) § 60.4244(a) § 60.4244(b) § 60.4244(c) § 60.4244(f) § 60.4244(g)	§ 60.4243(b)(2) § 60.4243(b)(2)(ii) § 60.4243(e) § 60.4245(a)(1) § 60.4245(a)(2) § 60.4245(a)(4)	[G]§ 60.4245(c) § 60.4245(d)
UNIT 185	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6600 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart ZZZZ	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart ZZZZ	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart ZZZZ	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart ZZZZ	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart ZZZZ
UNIT 186	EU	60JJJJ	CO	40 CFR Part 60, Subpart JJJJ	§ 60.4233(e)-Table1 § 60.4234 § 60.4243(b) § 60.4243(b)(2) § 60.4243(b)(2)(ii) § 60.4243(e) § 60.4243(g) § 60.4246	Owners and operators of stationary non-emergency natural gas engines with a maximum engine power greater than or equal to 500 HP and were manufactured on or after 07/01/2007 and before 07/01/2010 must comply with a CO emission limit of 4.0 g/HP-hr, as listed in Table 1 to this subpart.	§ 60.4243(b)(2) § 60.4243(b)(2)(ii) § 60.4243(e) § 60.4244(a) § 60.4244(b) § 60.4244(c) § 60.4244(e)	§ 60.4243(b)(2) § 60.4243(b)(2)(ii) § 60.4243(e) § 60.4245(a)(1) § 60.4245(a)(2) § 60.4245(a)(4)	[G]§ 60.4245(c) § 60.4245(d)
UNIT 186	EU	60JJJJ	NO <sub>x</sub>	40 CFR Part 60, Subpart JJJJ	§ 60.4233(e)-Table1 § 60.4234 § 60.4243(b) § 60.4243(b)(2)	Owners and operators of stationary non-emergency natural gas engines with a maximum engine power greater than or equal to 500	§ 60.4243(b)(2) § 60.4243(b)(2)(ii) § 60.4243(e) § 60.4244(a) § 60.4244(b)	§ 60.4243(b)(2) § 60.4243(b)(2)(ii) § 60.4243(e) § 60.4245(a)(1) § 60.4245(a)(2)	[G]§ 60.4245(c) § 60.4245(d)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.4243(b)(2)(ii) § 60.4243(e) § 60.4243(g) § 60.4246	HP and were manufactured on or after 07/01/2007 and before 07/01/2010 must comply with a NOx emission limit of 2.0 g/HP-hr, as listed in Table 1 to this subpart.	§ 60.4244(c) § 60.4244(d)	§ 60.4245(a)(4)	
UNIT 186	EU	60JJJJ	VOC	40 CFR Part 60, Subpart JJJJ	§ 60.4233(e)-Table1 § 60.4234 § 60.4243(b) § 60.4243(b)(2) § 60.4243(b)(2)(ii) § 60.4243(e) § 60.4243(g) § 60.4246	Owners and operators of stationary non-emergency natural gas engines with a maximum engine power greater than or equal to 500 HP and were manufactured on or after 07/01/2007 and before 07/01/2010 must comply with a VOC emission limit of 1.0 g/HP-hr, as listed in Table 1 to this subpart.	§ 60.4243(b)(2) § 60.4243(b)(2)(ii) § 60.4243(e) § 60.4244(a) § 60.4244(b) § 60.4244(c) § 60.4244(f) § 60.4244(g)	§ 60.4243(b)(2) § 60.4243(b)(2)(ii) § 60.4243(e) § 60.4245(a)(1) § 60.4245(a)(2) § 60.4245(a)(4)	[G]§ 60.4245(c) § 60.4245(d)
UNIT 186	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6600 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart ZZZZ	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart ZZZZ	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart ZZZZ	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart ZZZZ	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart ZZZZ
UNIT 924	EU	60GG	SO <sub>2</sub>	40 CFR Part 60, Subpart GG	§ 60.333(b)	No stationary gas turbine shall burn any fuel which contains sulfur in excess of 0.8% by weight.	§ 60.334(h) [G]§ 60.334(h)(3)	None	None
UNIT 925	EU	60GG	SO <sub>2</sub>	40 CFR Part 60, Subpart GG	§ 60.333(b)	No stationary gas turbine shall burn any fuel which contains sulfur in excess of 0.8% by weight.	§ 60.334(h) [G]§ 60.334(h)(3)	None	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
UNIT 926	EU	60GG	SO <sub>2</sub>	40 CFR Part 60, Subpart GG	§ 60.333(b)	No stationary gas turbine shall burn any fuel which contains sulfur in excess of 0.8% by weight.	§ 60.334(h) [G]§ 60.334(h)(3)	None	None
UNIT 927	EU	60GG	SO <sub>2</sub>	40 CFR Part 60, Subpart GG	§ 60.333(b)	No stationary gas turbine shall burn any fuel which contains sulfur in excess of 0.8% by weight.	§ 60.334(h) [G]§ 60.334(h)(3)	None	None
UNIT 930	EU	60GG	SO <sub>2</sub>	40 CFR Part 60, Subpart GG	§ 60.333(b)	No stationary gas turbine shall burn any fuel which contains sulfur in excess of 0.8% by weight.	§ 60.334(h) [G]§ 60.334(h)(3)	None	None
UNIT 930	EU	60GG	NO <sub>x</sub>	40 CFR Part 60, Subpart GG	§ 60.332(a)(2) § 60.332(a)(3) § 60.332(k)	No owner or operator shall discharge into the atmosphere from any stationary gas turbine, any gases which contain nitrogen oxides in excess of the amount as determined from the specified equation.	[G]§ 60.335(a) § 60.335(b)(1) § 60.335(b)(2) § 60.335(c)(1) ** See Periodic Monitoring Summary	None	None

**Additional Monitoring Requirements**

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### Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP111A	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(A)
Monitoring Information	
Indicator: Fuel Type	
Minimum Frequency: Annually or at any time an alternate fuel is used	
Averaging Period: n/a	
<p>Deviation Limit: If alternative fuel is fired for &gt; 24 consecutive hours, report as a deviation, or conduct observation using Test Method 22. Report as a deviation if visible emissions are observed using Test Method 22 and opacity &gt; 30% using Test Method 9.</p> <p>Periodic Monitoring Text: Record the type of fuel used by the unit. If an alternate fuel is fired, either alone or in combination with the specified gas, for a period greater than or equal to 24 consecutive hours it shall be considered and reported as a deviation or the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are observed. Any time an alternate fuel is fired for a period of greater than 7 consecutive days then visible emissions observations will be conducted no less than once per week. Documentation of all observations shall be maintained. If visible emissions are present during the firing of an alternate fuel, the permit holder shall either list this occurrence as a deviation or the permit holder may determine the opacity consistent with Test Method 9. Any opacity readings that are above the opacity limit from the underlying applicable requirement shall be reported as a deviation.</p>	

### Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP111B	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111
Pollutant: PM (Opacity)	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Fuel Type	
Minimum Frequency: Annually or at any time an alternate fuel is used	
Averaging Period: n/a	
<p>Deviation Limit: If alternative fuel is fired for &gt; 24 consecutive hours, report as a deviation, or conduct observation using Test Method 22. Report as a deviation if visible emissions are observed using Test Method 22 and opacity &gt; 20% using Test Method 9.</p> <p>Periodic Monitoring Text: Record the type of fuel used by the unit. If an alternate fuel is fired, either alone or in combination with the specified gas, for a period greater than or equal to 24 consecutive hours it shall be considered and reported as a deviation or the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are observed. Any time an alternate fuel is fired for a period of greater than 7 consecutive days then visible emissions observations will be conducted no less than once per week. Documentation of all observations shall be maintained. If visible emissions are present during the firing of an alternate fuel, the permit holder shall either list this occurrence as a deviation or the permit holder may determine the opacity consistent with Test Method 9. Any opacity readings that are above the opacity limit from the underlying applicable requirement shall be reported as a deviation.</p>	

### Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: UNIT 930	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart GG	SOP Index No.: 60GG
Pollutant: NO <sub>x</sub>	Main Standard: § 60.332(a)(2)
Monitoring Information	
Indicator: NOX Concentration	
Minimum Frequency: 2 years	
Averaging Period: N/A	
Deviation Limit: Maximum NOX Concentration = 150 ppm	
<p>Periodic Monitoring Text: Measure and record the nitrogen oxides concentration of the exhaust gas on a biennial calendar basis using the method specified in 30 TAC §117.8000(c). The maximum NO<sub>x</sub> concentration (specified in units of the underlying applicable requirement) is the corresponding nitrogen oxide limit associated with the emission limitation in the underlying applicable requirement. The monitoring instrumentation shall be maintained, calibrated, and operated in accordance with the manufacturer's specifications or other written procedures. Any monitoring data above the maximum limit shall be considered and reported as a deviation.</p>	

### Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: UNIT 930	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart GG	SOP Index No.: 60GG
Pollutant: NO <sub>x</sub>	Main Standard: § 60.332(a)(2)
Monitoring Information	
Indicator: Fuel Consumption	
Minimum Frequency: Weekly	
Averaging Period: N/A	
Deviation Limit: Maximum fuel consumption limit = 2.282 MMSCF	
<p>Periodic Monitoring Text: Measure and record fuel consumption. Establish a maximum fuel consumption limit using the most appropriate of the following: the most recent performance test data, manufacturer's recommendations, engineering calculations, and/or historical data. The monitoring instrumentation shall be maintained, calibrated, and operated in accordance with the manufacturer's specifications or other written procedures. Any monitoring data above the maximum limit shall be considered and reported as a deviation.</p>	

**Permit Shield**

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### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
AMNVENT	N/A	30 TAC Chapter 112, Sulfur Compounds	The sweetening unit is not a sulfur recovery plant.
AMNVENT	N/A	30 TAC Chapter 115, Vent Gas Controls	Facility is not located in a Chapter 115 applicable county.
AMNVENT	N/A	40 CFR Part 60, Subpart LLL	The facility does not process sour natural gas.
AMNVENT	N/A	40 CFR Part 60, Subpart OOOO	Constructed, modified, or reconstructed before August 23, 2011.
BOI-1	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
BOI-1	N/A	40 CFR Part 60, Subpart D	Heat input rate is less than 250 MMBtu/hr.
BOI-1	N/A	40 CFR Part 60, Subpart Da	The boiler is not an electric utility steam generating unit.
BOI-1	N/A	40 CFR Part 60, Subpart Db	Constructed, reconstructed, or modified before 6/19/1984.
BOI-1	N/A	40 CFR Part 60, Subpart Dc	Constructed, reconstructed, or modified before 6/9/1989.
CT-1	N/A	40 CFR Part 63, Subpart Q	Cooling tower does not use chromium compounds after 09/08/1994.
DEHYBOI	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
DEHYBOI	N/A	40 CFR Part 60, Subpart D	Heat input capacity is less than 250 MMBtu/hr.
DEHYBOI	N/A	40 CFR Part 60, Subpart Da	The boiler is not an electric utility steam generating unit.
DEHYBOI	N/A	40 CFR Part 60, Subpart Db	Heat input capacity is less than 100 MMBtu/hr.

### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
DEHYBOI	N/A	40 CFR Part 60, Subpart Dc	Heat input capacity is less than 10 MMBtu/hr.
DEHYVENT	N/A	30 TAC Chapter 115, Vent Gas Controls	Facility is not located in a Chapter 115 applicable county.
FLSHTNK	N/A	30 TAC Chapter 115, Storage of VOCs	Facility is not located in an applicable county.
FLSHTNK	N/A	40 CFR Part 60, Subpart K	Constructed, reconstructed, or modified before 06/11/1973.
FLSHTNK	N/A	40 CFR Part 60, Subpart Ka	Constructed, reconstructed, or modified before 05/18/1978.
FLSHTNK	N/A	40 CFR Part 60, Subpart Kb	Constructed, reconstructed, or modified before 07/23/1984.
FLSHTNK	N/A	40 CFR Part 63, Subpart HH	Per definition of "Storage vessel with potential for flash emissions" in 40 CFR § 63.761, storage tanks do not have the potential to vent flash emissions.
FUG	N/A	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	Facility is not located in an applicable ozone non-attainment county.
FUG	N/A	40 CFR Part 60, Subpart KKK	Facility did not commence construction, reconstruction or modification after 1/20/1984.
FUG KKK	N/A	40 CFR Part 60, Subpart OOOO	Facility did not commence construction, reconstruction or modification after 08/23/2011.
FUG-1	N/A	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	Facility is not located in an applicable ozone non-attainment county.
FUG-1	N/A	40 CFR Part 60, Subpart KKK	The facility is not a natural gas processing plant as defined in 60.631.

### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
FUG-1	N/A	40 CFR Part 60, Subpart OOOO	Constructed, modified, or reconstructed before August 23, 2011.
GLYTANK	N/A	30 TAC Chapter 115, Storage of VOCs	Facility is not located in an applicable county.
GLYTANK	N/A	40 CFR Part 60, Subpart K	Constructed, reconstructed, or modified after 5/19/1978.
GLYTANK	N/A	40 CFR Part 60, Subpart Ka	Constructed, reconstructed, or modified after 7/23/1984.
GLYTANK	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 19,800 gallons.
GLYTANK	N/A	40 CFR Part 60, Subpart OOOO	Constructed, modified, or reconstructed before August 23, 2011.
GLYTANK	N/A	40 CFR Part 63, Subpart HH	Per definition of "Storage vessel with potential for flash emissions" in 40 CFR § 63.761, storage tanks do not have the potential to vent flash emissions.
GRP111B	BLCS1, BLCS2, BOI-1S, C-1, C-15, C-2, C-3, C-4, C-5, C-6, C-7, C-8, C-9, DEHYBOIS, H-1S, H-3S, H-5S, STARTER, UNIT 185S, UNIT 186S	30 TAC Chapter 115, Vent Gas Controls	Facility is not located in a Chapter 115 applicable county/area.
GRPLOAD	LD-A, LD-B, LD-C, LD-D, LD-F, LD-G, LD-H, LD-I, LD-J, LD-K, LD-L, LD-M, TL-1	30 TAC Chapter 115, Loading and Unloading of VOC	Loading and unloading of VOC (except gasoline) is exempt in De Witt County.
GRPTK1	TANK 002, TANK 003, TANK 004, TANK 005, TANK 006, TANK 013, TANK 021, TANK 024, TANK 025, TANK 026	30 TAC Chapter 115, Storage of VOCs	Facility is not located in an applicable county.

### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRPTK1	TANK 002, TANK 003, TANK 004, TANK 005, TANK 006, TANK 013, TANK 021, TANK 024, TANK 025, TANK 026	40 CFR Part 60, Subpart K	Constructed, reconstructed, or modified before 6/11/1973.
GRPTK1	TANK 002, TANK 003, TANK 004, TANK 005, TANK 006, TANK 013, TANK 021, TANK 024, TANK 025, TANK 026	40 CFR Part 60, Subpart Ka	Constructed, reconstructed, or modified before 5/18/1978.
GRPTK1	TANK 002, TANK 003, TANK 004, TANK 005, TANK 006, TANK 013, TANK 021, TANK 024, TANK 025, TANK 026	40 CFR Part 60, Subpart Kb	Constructed, reconstructed, or modified before 7/23/1984.
GRPTK1	TANK 002, TANK 003, TANK 004, TANK 005, TANK 006, TANK 013, TANK 021, TANK 024, TANK 025, TANK 026	40 CFR Part 60, Subpart OOOO	Constructed, modified, or reconstructed before August 23, 2011.
GRPTK1	TANK 002, TANK 003, TANK 004, TANK 005, TANK 006, TANK 013, TANK 021, TANK 024, TANK 025, TANK 026	40 CFR Part 63, Subpart HH	Per definition of "Storage vessel with potential for flash emissions" in 40 CFR § 63.761, storage tanks do not have the potential to vent flash emissions.
GRPTK2	TANK 007, TANK 009, TANK 010, TANK 011, TANK 015, TANK 016	30 TAC Chapter 115, Storage of VOCs	Facility is not located in an applicable county.
GRPTK2	TANK 007, TANK 009, TANK 010, TANK 011, TANK 015, TANK 016	40 CFR Part 60, Subpart K	Constructed, reconstructed, or modified after 5/19/1978.
GRPTK2	TANK 007, TANK 009, TANK	40 CFR Part 60, Subpart Ka	Does not store petroleum liquids.

### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
	010, TANK 011, TANK 015, TANK 016		
GRPTK2	TANK 007, TANK 009, TANK 010, TANK 011, TANK 015, TANK 016	40 CFR Part 60, Subpart Kb	Constructed, reconstructed, or modified before 7/23/1984.
GRPTK2	TANK 007, TANK 009, TANK 010, TANK 011, TANK 015, TANK 016	40 CFR Part 63, Subpart HH	Per definition of "Storage vessel with potential for flash emissions" in 40 CFR § 63.761, storage tanks do not have the potential to vent flash emissions.
GRPTK3	TANK 017, TANK 018, TANK 019, TANK 020, TANK 022, TANK 023	30 TAC Chapter 115, Storage of VOCs	Facility is not located in an applicable county.
GRPTK3	TANK 017, TANK 018, TANK 019, TANK 020, TANK 022, TANK 023	40 CFR Part 60, Subpart K	Constructed, reconstructed, or modified after 5/19/1978.
GRPTK3	TANK 017, TANK 018, TANK 019, TANK 020, TANK 022, TANK 023	40 CFR Part 60, Subpart Ka	Capacity is less than 40,000 gallons.
GRPTK3	TANK 017, TANK 018, TANK 019, TANK 020, TANK 022, TANK 023	40 CFR Part 60, Subpart Kb	Constructed, reconstructed, or modified before 7/23/1984.
GRPTK3	TANK 017, TANK 018, TANK 019, TANK 020, TANK 022, TANK 023	40 CFR Part 63, Subpart HH	Per definition of "Storage vessel with potential for flash emissions" in 40 CFR § 63.761, storage tanks do not have the potential to vent flash emissions.
GRPTK4	TANK 008, TANK 014, TANK	30 TAC Chapter 115, Storage of VOCs	Facility is not located in an applicable county.

### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
	027, TANK 028, TANK 029		
GRPTK4	TANK 008, TANK 014, TANK 027, TANK 028, TANK 029	40 CFR Part 60, Subpart K	Constructed, reconstructed, or modified after 5/19/1978.
GRPTK4	TANK 008, TANK 014, TANK 027, TANK 028, TANK 029	40 CFR Part 60, Subpart Ka	Constructed, reconstructed, or modified after 7/23/1984.
GRPTK4	TANK 008, TANK 014, TANK 027, TANK 028, TANK 029	40 CFR Part 60, Subpart Kb	Tank capacity is less than 19,800 gallons.
GRPTK4	TANK 008, TANK 014, TANK 027, TANK 028, TANK 029	40 CFR Part 63, Subpart HH	Per definition of "Storage vessel with potential for flash emissions" in 40 CFR § 63.761, storage tanks do not have the potential to vent flash emissions.
H-1	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
H-1	N/A	40 CFR Part 60, Subpart D	Heat input capacity is less than 250 MMBtu/hr.
H-1	N/A	40 CFR Part 60, Subpart Da	The boiler is not an electric utility steam generating unit.
H-1	N/A	40 CFR Part 60, Subpart Db	Constructed, reconstructed, or modified before 6/19/1984.
H-1	N/A	40 CFR Part 60, Subpart Dc	Constructed, reconstructed, or modified before 6/09/1989.
H-3	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
H-3	N/A	40 CFR Part 60, Subpart D	Heat input capacity is less than 250 MMBtu/hr.
H-3	N/A	40 CFR Part 60, Subpart Da	The boiler is not an electric utility steam

### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
			generating unit.
H-3	N/A	40 CFR Part 60, Subpart Db	Constructed, reconstructed, or modified before 6/19/1984.
H-3	N/A	40 CFR Part 60, Subpart Dc	Constructed, reconstructed, or modified before 6/9/1989.
H-5	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
H-5	N/A	40 CFR Part 60, Subpart D	Heat input capacity is less than 250 MMBtu/hr.
H-5	N/A	40 CFR Part 60, Subpart Da	The boiler is not an electric utility steam generating unit.
H-5	N/A	40 CFR Part 60, Subpart Db	Constructed, reconstructed, or modified before 6/19/1984.
H-5	N/A	40 CFR Part 60, Subpart Dc	Constructed, reconstructed, or modified before 6/09/1989.
OWSH-1	N/A	30 TAC Chapter 115, Water Separation	Facility is not located in a Chapter 115 applicable county.
PRO-AMINE	N/A	30 TAC Chapter 112, Sulfur Compounds	The sweetening unit is not a sulfur recovery plant.
PRO-AMINE	N/A	30 TAC Chapter 115, Vent Gas Controls	Facility is not located in a Chapter 115 applicable county.
PRO-AMINE	N/A	40 CFR Part 60, Subpart LLL	The facility does not process sour natural gas.
PRO-AMINE	N/A	40 CFR Part 60, Subpart OOOO	Constructed, modified, or reconstructed before August 23, 2011.
PRO-FRAC1	N/A	30 TAC Chapter 115, Vent Gas Controls	Facility is not located in a Chapter 115

### Permit Shield

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
			applicable county.
PRO-FRAC2	N/A	30 TAC Chapter 115, Vent Gas Controls	Facility is not located in a Chapter 115 applicable county.
PWSH-1	N/A	30 TAC Chapter 115, Degreasing Processes	Facility is not located in a Chapter 115 applicable county.
PWSH-1	N/A	40 CFR Part 63, Subpart T	Halogenated HAPs are not used for solvent cleaning.
T-107	N/A	30 TAC Chapter 115, Storage of VOCs	Facility is not located in an applicable county.
T-107	N/A	40 CFR Part 60, Subpart K	Constructed, reconstructed, or modified after 5/19/1978.
T-107	N/A	40 CFR Part 60, Subpart Ka	Constructed, reconstructed, or modified after 7/23/1984.
T-107	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 19,800 gallons.
T-107	N/A	40 CFR Part 60, Subpart OOOO	Constructed, modified, or reconstructed before August 23, 2011.
T-107	N/A	40 CFR Part 63, Subpart HH	Per definition of "Storage vessel with potential for flash emissions" in 40 CFR § 63.761, storage tanks do not have the potential to vent flash emissions.
T-501A	N/A	30 TAC Chapter 115, Storage of VOCs	Facility is not located in an applicable county.
T-501A	N/A	40 CFR Part 60, Subpart K	Constructed, reconstructed, or modified after 5/19/1978.
T-501A	N/A	40 CFR Part 60, Subpart Ka	Constructed, reconstructed, or modified after 7/23/1984.

### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
T-501A	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 19,800 gallons.
T-501A	N/A	40 CFR Part 60, Subpart OOOO	Constructed, modified, or reconstructed before August 23, 2011.
T-501A	N/A	40 CFR Part 63, Subpart HH	Per definition of "Storage vessel with potential for flash emissions" in 40 CFR § 63.761, storage tanks do not have the potential to vent flash emissions.
T-501B	N/A	30 TAC Chapter 115, Storage of VOCs	Facility is not located in an applicable county.
T-501B	N/A	40 CFR Part 60, Subpart K	Constructed, reconstructed, or modified after 5/19/1978.
T-501B	N/A	40 CFR Part 60, Subpart Ka	Constructed, reconstructed, or modified after 7/23/1984.
T-501B	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 19,800 gallons.
T-501B	N/A	40 CFR Part 60, Subpart OOOO	Constructed, modified, or reconstructed before August 23, 2011.
T-501B	N/A	40 CFR Part 63, Subpart HH	Per definition of "Storage vessel with potential for flash emissions" in 40 CFR § 63.761, storage tanks do not have the potential to vent flash emissions.
T-501C	N/A	30 TAC Chapter 115, Storage of VOCs	Facility is not located in an applicable county.
T-501C	N/A	40 CFR Part 60, Subpart K	Constructed, reconstructed, or modified after 5/19/1978.
T-501C	N/A	40 CFR Part 60, Subpart Ka	Constructed, reconstructed, or modified after 7/23/1984.

### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
T-501C	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 19,800 gallons.
T-501C	N/A	40 CFR Part 60, Subpart OOOO	Constructed, modified, or reconstructed before August 23, 2011.
T-501C	N/A	40 CFR Part 63, Subpart HH	Per definition of "Storage vessel with potential for flash emissions" in 40 CFR § 63.761, storage tanks do not have the potential to vent flash emissions.
TL-FUG	N/A	40 CFR Part 60, Subpart KKK	Truck loading equipment is not part of a natural gas processing plant as defined in §60.631.
TL-FUG	N/A	40 CFR Part 63, Subpart HH	Truck loading equipment is not part of a natural gas processing plant as defined in §60.761.
UNIT 184	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 184	N/A	40 CFR Part 60, Subpart GG	Constructed, reconstructed, or modified before October 3, 1977.
UNIT 184	N/A	40 CFR Part 60, Subpart KKKK	Construction, reconstruction, or modification occurred before February 18, 2005.
UNIT 184	N/A	40 CFR Part 63, Subpart YYYY	The turbine is an existing stationary combustion turbine constructed or reconstructed before 1/14/2003.
UNIT 185	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 185	N/A	40 CFR Part 64, Compliance Assurance	All of the emission unit's potentially applicable

### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
		Monitoring	requirements are exempt by the CAM rule.
UNIT 186	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 186	N/A	40 CFR Part 64, Compliance Assurance Monitoring	All of the emission unit's potentially applicable requirements are exempt by the CAM rule.
UNIT 924	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 924	N/A	40 CFR Part 60, Subpart KKKK	Construction, reconstruction, or modification occurred before February 18, 2005.
UNIT 924	N/A	40 CFR Part 63, Subpart YYYY	The turbine is an existing stationary combustion turbine constructed or reconstructed before 1/14/2003.
UNIT 925	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 925	N/A	40 CFR Part 60, Subpart KKKK	Construction, reconstruction, or modification occurred before February 18, 2005.
UNIT 925	N/A	40 CFR Part 63, Subpart YYYY	The turbine is an existing stationary combustion turbine constructed or reconstructed before 1/14/2003.
UNIT 926	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 926	N/A	40 CFR Part 60, Subpart KKKK	Construction, reconstruction, or modification occurred before February 18, 2005.
UNIT 926	N/A	40 CFR Part 63, Subpart YYYY	The turbine is an existing stationary combustion turbine constructed or

### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
			reconstructed before 1/14/2003.
UNIT 927	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 927	N/A	40 CFR Part 60, Subpart KKKK	Construction, reconstruction, or modification occurred before February 18, 2005.
UNIT 927	N/A	40 CFR Part 63, Subpart YYYY	The turbine is an existing stationary combustion turbine constructed or reconstructed before 1/14/2003.
UNIT 928	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 928	N/A	40 CFR Part 60, Subpart JJJJ	SI ICE was manufactured prior to 07/01/2007 and not modified or reconstructed after 06/12/2006.
UNIT 928	N/A	40 CFR Part 63, Subpart ZZZZ	The engine is an existing spark ignition 2SLB stationary RICE with a site rating of more than 500 brake HP at a major source of HAPs.
UNIT 929	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 929	N/A	40 CFR Part 60, Subpart JJJJ	SI ICE was manufactured prior to 07/01/2007 and not modified or reconstructed after 06/12/2006.
UNIT 929	N/A	40 CFR Part 63, Subpart ZZZZ	The engine is an existing spark ignition 2SLB stationary RICE with a site rating of more than 500 brake HP at a major source of HAPs.
UNIT 930	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone

### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
			non-attainment county.
UNIT 930	N/A	40 CFR Part 60, Subpart KKKK	Construction, reconstruction, or modification occurred before February 18, 2005.
UNIT 930	N/A	40 CFR Part 63, Subpart YYYY	The turbine is an existing stationary combustion turbine constructed or reconstructed before 01/14/2003.
UNIT 931	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 931	N/A	40 CFR Part 60, Subpart JJJJ	SI ICE was manufactured prior to 07/01/2007 and not modified or reconstructed after 06/12/2006.
UNIT 931	N/A	40 CFR Part 63, Subpart ZZZZ	The engine is an existing spark ignition 2SLB stationary RICE with a site rating of more than 500 brake HP at a major source of HAPs.
UNIT 932	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 932	N/A	40 CFR Part 60, Subpart JJJJ	SI ICE was manufactured prior to 07/01/2007 and not modified or reconstructed after 06/12/2006.
UNIT 932	N/A	40 CFR Part 63, Subpart ZZZZ	The engine is an existing spark ignition 2SLB stationary RICE with a site rating of more than 500 brake HP at a major source of HAPs.
UNIT 933	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 933	N/A	40 CFR Part 60, Subpart JJJJ	SI ICE was manufactured prior to 07/01/2007

### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
			and not modified or reconstructed after 06/12/2006.
UNIT 933	N/A	40 CFR Part 63, Subpart ZZZZ	The engine is an existing spark ignition 2SLB stationary RICE with a site rating of more than 500 brake HP at a major source of HAPs.

**New Source Review Authorization References**

<b>New Source Review Authorization References .....</b>	<b>44</b>
<b>New Source Review Authorization References by Emission Unit .....</b>	<b>46</b>

### New Source Review Authorization References

The New Source Review authorizations listed in the table below are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

<b>Title 30 TAC Chapter 116 Permits, Special Permits, and Other Authorizations (Other Than Permits By Rule, PSD Permits, or NA Permits) for the Application Area.</b>	
Authorization No.: 17457	Issuance Date: 05/13/2015
<b>Permits By Rule (30 TAC Chapter 106) for the Application Area</b>	
Number: 106.263	Version No./Date: 11/01/2001
Number: 106.352	Version No./Date: 09/04/2000
Number: 106.352	Version No./Date: 02/27/2011
Number: 106.352	Version No./Date: 02/02/2012
Number: 106.352	Version No./Date: 11/22/2012
Number: 106.355	Version No./Date: 11/01/2001
Number: 106.359	Version No./Date: 09/10/2013
Number: 106.454	Version No./Date: 11/01/2001
Number: 106.492	Version No./Date: 09/04/2000
Number: 106.511	Version No./Date: 09/04/2000
Number: 106.512	Version No./Date: 06/13/2001
Number: 6	Version No./Date: 05/05/1976
Number: 6	Version No./Date: 05/12/1981
Number: 7	Version No./Date: 11/05/1986
Number: 9	Version No./Date: 05/08/1972
Number: 51	Version No./Date: 11/05/1986
Number: 53	Version No./Date: 11/05/1986
Number: 57	Version No./Date: 05/05/1976
Number: 57	Version No./Date: 05/12/1981
Number: 58	Version No./Date: 05/08/1972
Number: 58	Version No./Date: 05/05/1976
Number: 58	Version No./Date: 05/12/1981
Number: 59	Version No./Date: 05/08/1972
Number: 64	Version No./Date: 05/08/1972
Number: 66	Version No./Date: 11/05/1986
Number: 70	Version No./Date: 05/08/1972
Number: 72	Version No./Date: 05/08/1972
Number: 72	Version No./Date: 05/05/1976
Number: 72	Version No./Date: 05/12/1981

### **New Source Review Authorization References**

The New Source Review authorizations listed in the table below are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Number: 82	Version No./Date: 12/01/1972
Number: 107	Version No./Date: 05/12/1981

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
AMNVENT	ARMSTRONG INLET ACID GAS VENT	106.352/09/04/2000
BLCS1	BLOWCASE VESSEL 1	106.352/02/27/2011
BLCS2	BLOWCASE VESSEL 2	106.352/02/27/2011
BOI-1	AMINE STEAM REBOILER HEATER (50 MMBTU/HR)	106.352/09/04/2000, 106.352/11/22/2012
BOI-1S	AMINE STEAM REBOILER HEATER STACK	106.352/09/04/2000, 106.352/11/22/2012
C-15	SATURN, UNIT #930 STACK	17457
C-1	MEP-10, UNIT #931 STACK	6/05/05/1976
C-2	MEP-10, UNIT #932 STACK	6/05/05/1976
C-3	MEP-10, UNIT #933 STACK	6/05/05/1976
C-4	CENTAUR, UNIT #924 STACK	6/05/12/1981
C-5	CENTAUR, UNIT #925 STACK	6/05/12/1981
C-6	CENTAUR, UNIT #926 STACK	6/05/12/1981
C-7	CENTAUR, UNIT #927 STACK	6/05/12/1981
C-8	MEP-6, UNIT #928 STACK	6/05/12/1981
C-9	MEP-6, UNIT #929 STACK	6/05/12/1981
CT-1	COOLING TOWER	9/05/08/1972
DEHYBOI	DEHYDRATOR REBOILER HEATER (2.0 MMBTU/HR)	106.352/09/04/2000, 106.352/11/22/2012
DEHYBOIS	DEHYDRATOR REBOILER HEATER STACK	106.352/09/04/2000, 106.352/11/22/2012
DEHYVENT	ARMSTRONG INLET GLYCOL DEHYDRATION UNIT VENT	106.352/09/04/2000
EMERGEN	EMERGENCY GENERATOR	106.511/09/04/2000
FIREPUMP	FIREPUMP ENGINE	106.511/09/04/2000

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
FL-1	PLANT FLARE NO. 1	106.352/11/22/2012, 106.492/09/04/2000
FL-2	PLANT FLARE NO. 2	106.352/11/22/2012, 106.492/09/04/2000
FL-3	PLANT FLARE NO. 3	106.352/11/22/2012, 106.492/09/04/2000
FLSHTNK	CONDENSATE FLASH TANK	106.352/02/02/2012
FUG KKK	PLANT FUGITIVES KKK	106.352/09/04/2000, 106.352/11/22/2012
FUG OOOOA	PLANT FUGITIVES OOOOA	106.352/11/22/2012
FUG-1	ARMSTRONG INLET FUGITIVES	106.352/09/04/2000, 106.352/11/22/2012
FUG	PLANT FUGITIVES	66/11/05/1986
GLYTANK	TRIETHYLENE GLYCOL TANK	106.352/02/27/2011
GO-FLARE1	FACILITY FLARE	106.352/11/22/2012, 106.492/09/04/2000
H-1	REGENERATION GAS HEATER NO. 1 (7.8 MMBTU/HR)	106.352/11/22/2012
H-1S	REGENERATION GAS HEATER NO. 1 STACK	107/05/12/1981
H-3	REGENERATION GAS HEATER NO. 3 (4.9 MMBTU/HR)	106.352/11/22/2012
H-3S	REGENERATION GAS HEATER NO. 3 STACK	107/05/12/1981
H-5	REGENERATION GAS HEATER NO. 5 (31.5 MMBTU/HR)	7/11/05/1986
H-5S	REGENERATION GAS HEATER NO. 5 STACK	7/11/05/1986
LD-A	LOADING AREA A GASOLINE	72/05/08/1972
LD-B	LOADING AREA B	51/11/05/1986
LD-C	LOADING AREA C	51/11/05/1986
LD-D	LOADING AREA D	51/11/05/1986
LD-F	LOADING AREA F	53/11/05/1986

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
LD-G	LOADING AREA G	51/11/05/1986
LD-H	LOADING AREA H	53/11/05/1986
LD-I	LOADING AREA I	51/11/05/1986
LD-J	LOADING AREA J	51/11/05/1986
LD-K	LOADING AREA K	51/11/05/1986
LD-L	LOADING AREA L	106.352/09/04/2000
LD-M	LOADING AREA M	106.352/09/04/2000
OWSH-1	OIL-WATER SEPARATOR	70/05/08/1972
PRO-AMINE	ARMSTRONG GAS PLANT AMINE TREATING PROCESS	72/05/12/1981
PRO-FRAC1	ARMSTRONG I PLANT FRACTIONATION PROCESS	72/05/05/1976
PRO-FRAC2	ARMSTRONG II PLANT FRACTIONATION PROCESS	72/05/12/1981
PWSH-1	PARTS WASHER / DEGREASER	106.454/11/01/2001
STARTER	COMPRESSOR ENGINE STARTER	106.512/06/13/2001
T-107	CONDENSATE/PRODUCED WATER TANK 107	106.352/02/27/2011
T-501A	METHANOL TANK T-501A	106.352/02/27/2011
T-501B	METHANOL TANK T-501B	106.352/02/27/2011
T-501C	METHANOL TANK T-501C	106.352/02/27/2011
TANK 002	LEAN OIL TANK	58/05/08/1972
TANK 003	RUNDOWN WATER TANK	58/05/08/1972
TANK 004	PRODUCED WATER TANK	58/05/08/1972
TANK 005	DISTILLATE TANK	58/05/08/1972

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
TANK 006	GASOLINE STORAGE TANK	72/05/08/1972
TANK 007	AMINE MIX TANK	57/05/12/1981
TANK 008	AMINE STORAGE TANK	106.352/09/04/2000
TANK 009	ANTIFREEZE TANK	57/05/05/1976
TANK 010	BSW TANK	57/05/12/1981
TANK 011	DEA TANK	106.352/11/22/2012, 57/05/12/1981
TANK 013	GASOLINE TANK	64/05/08/1972
TANK 014	GLYCOL TANK	106.352/09/04/2000
TANK 015	HEAT MEDIUM OIL TANK	57/05/12/1981
TANK 016	HOT OIL MIX TANK	57/05/12/1981
TANK 017	LUBE OIL TANK 1	58/05/12/1981
TANK 018	LUBE OIL TANK 2	58/05/05/1976
TANK 019	LUBE OIL TANK 3	58/05/05/1976
TANK 020	LUBE OIL TANK 4	58/05/05/1976
TANK 021	LUBE OIL TANK 5	59/05/08/1972
TANK 022	LUBE OIL TANK 6	58/05/05/1976
TANK 023	LUBE OIL TANK 7	58/05/12/1981
TANK 024	LUBE OIL TANK 8	59/05/08/1972
TANK 025	R.O. WATER STORATE TANK	58/05/08/1972
TANK 026	SLOP OIL TANK 1	106.352/11/22/2012, 59/05/08/1972
TANK 027	SULFA-TREAT TANK	106.352/09/04/2000

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
TANK 028	TRIGLYCOL TANK	106.352/09/04/2000
TANK 029	1,270 GAL LUBE OIL TANK	106.352/11/22/2012
TL-1	SLOP OIL TRUCK LOADING	106.352/11/22/2012
TL-FUG	TRUCK LOADING FUGITIVES	106.352/11/22/2012
UNIT 184S	TURBINE UNIT 184 STACK	82/12/01/1972
UNIT 184	TURBINE UNIT 184	82/12/01/1972
UNIT 185	CATERPILLAR, UNIT 185	106.512/06/13/2001
UNIT 185S	CATERPILLAR, UNIT 185 STACK	106.512/06/13/2001
UNIT 186	CATERPILLAR, UNIT 186	106.512/06/13/2001
UNIT 186S	CATERPILLAR, UNIT 186 STACK	106.512/06/13/2001
UNIT 924	CENTAUR, UNIT 924	6/05/12/1981
UNIT 925	CENTAUR, UNIT 925	6/05/12/1981
UNIT 926	CENTAUR, UNIT 926	6/05/12/1981
UNIT 927	CENTAUR, UNIT 927	6/05/12/1981
UNIT 928	MEP-6, UNIT #928	6/05/12/1981
UNIT 929	MEP-6, UNIT #929	6/05/12/1981
UNIT 930	SATURN, UNIT #930	17457
UNIT 931	MEP-10, UNIT #931	6/05/05/1976
UNIT 932	MEP-10, UNIT #932	6/05/05/1976
UNIT 933	MEP-10, UNIT #933	6/05/05/1976



**Appendix A**

**Acronym List ..... 53**

## Acronym List

The following abbreviations or acronyms may be used in this permit:

ACFM	actual cubic feet per minute
AMOC	alternate means of control
ARP	Acid Rain Program
ASTM	American Society of Testing and Materials
B/PA	Beaumont/Port Arthur (nonattainment area)
CAM	Compliance Assurance Monitoring
CD	control device
COMS	continuous opacity monitoring system
CVS	closed-vent system
D/FW	Dallas/Fort Worth (nonattainment area)
DR	Designated Representative
EIP	El Paso (nonattainment area)
EP	emission point
EPA	U.S. Environmental Protection Agency
EU	emission unit
FCAA Amendments	Federal Clean Air Act Amendments
FOP	federal operating permit
GF	grandfathered
gr/100 scf	grains per 100 standard cubic feet
HAP	hazardous air pollutant
H/G/B	Houston/Galveston/Brazoria (nonattainment area)
H <sub>2</sub> S	hydrogen sulfide
ID No.	identification number
lb/hr	pound(s) per hour
MMBtu/hr	Million British thermal units per hour
MRRT	monitoring, recordkeeping, reporting, and testing
NA	nonattainment
N/A	not applicable
NADB	National Allowance Data Base
NO <sub>x</sub>	nitrogen oxides
NSPS	New Source Performance Standard (40 CFR Part 60)
NSR	New Source Review
ORIS	Office of Regulatory Information Systems
Pb	lead
PBR	Permit By Rule
PM	particulate matter
ppmv	parts per million by volume
PSD	prevention of significant deterioration
RO	Responsible Official
SO <sub>2</sub>	sulfur dioxide
TCEQ	Texas Commission on Environmental Quality
TSP	total suspended particulate
TVP	true vapor pressure
U.S.C.	United States Code
VOC	volatile organic compound